



JAN 26 2006

PTO/SB/08A (07-05)

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449/RTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 5

Complete if Known

Application Number	10/797,553
Filing Date	November 8, 2002
First Named Inventor	William R. MOYLE
Art Unit	
Examiner Name	
Attorney Docket Number	1092/US PCT

U. S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

Examiner Signature	/Marianne Allen/	Date Considered	03/28/2007
-----------------------	------------------	--------------------	------------

¹EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ²Applicant's unique citation designation number (optional). ³See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ⁴Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO		<i>Complete if Known</i>			
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Application Number	10/797,553		
		Filing Date	November 8, 2002		
		First Named Inventor	William R. MOYLE		
		Art Unit			
		Examiner Name			
Sheet	2	of	5	Attorney Docket Number	1092/US PCT

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		
/MA/		BERNARD, M.P., et al., W.R.Biochem. J. 335, 611-617, 1998		
		BRAUN, T., et al., EMBO. J. 10, 1885-1890, 1991		
		CAMPBELL, R.K., et al., Nature Biotech. 15, 439-443, 1997		
		CAMPBELL, R.K., et al., Proc. Natl. Acad. Sci. (USA) 88, 760-764, 1991		
		CHEN, F., et al., Mol. Endocrinol. 6, 914-919, 1992		
		CLACKSON, T., et al., Science 267, 383-386, 1995		
		COSOWSKY, L., et al., J. Biol. Chem. 270, 20011-20019, 1995		
		EINSTEIN, M., et al., Exp. Biol. Med. 226, 581-590, 2001		
		GEOGHEGAN, K.F., et al., Bioconjug. Chem. 3: 138-146, 1992		
▼		GROSSMAN, M., et al., J. Biol. Chem. 272, 15532-15540, 1997		

Examiner Signature	/Marianne Allen/	Date Considered	03/28/2007
--------------------	------------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO		Complete if Known			
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Application Number	10/797,553		
		Filing Date	1092/US PCT		
		First Named Inventor	William R. MOYLE		
		Art Unit			
		Examiner Name			
Sheet	3	of	5	Attorney Docket Number	1092/US PCT

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		
/MA/		HAN, Y., et al., Mol. Cell. Endocrinol. 124, 151-161, 1996		
		HEIKOOP, J.C., et al., Nature Biotechnology 15: 658-662, 1997		
		JI, I., et al., J. Biol. Chem. 268, 22971-22974, 1993		
		JIANG, X., et al., Structure 3, 1341-1353, 1995		
		KOBE, B., et al., Nature 366, 751-756, 1993		
		LAPTHORN, A.J., et al., Nature 369, 455-461, 1994		
		LINDAU-SHEPARD, B., et al., Endocrinol. 135, 1235-1240, 1994		
		MATZUK, M.M., et al., et al., J. Cell. Biol. 106, 1049-1059, 1988		
		MOORE, J.T., et al., Anal. Biochem. 247, 203-209, 1997		
✓		MOYLE, W.R., et al., Nature 368, 251-255, 1994		

Examiner Signature	/Marianne Allen/	Date Considered	/Marianne Allen/
--------------------	------------------	-----------------	------------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO				Complete if Known	
				Application Number	10/797,553
				Filing Date	November 8, 2002
				First Named Inventor	William R. MOYLE
				Art Unit	
				Examiner Name	
Sheet	4	of	5	Attorney Docket Number	1092/US PCT

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
/MA/		MOYLE, W.R., et al., J. Biol. Chem. 270, 20020-20031, 1995	
		MOYLE, W.R., et al., Proc. Natl. Acad. Sci. (USA) 79, 2245-2249, 1982	
		MOYLE, W.R., et al., J. Biol. Chem. 265, 8511-8518, 1990	
		MYERS, R.V., et al., Biochim. Biophys. Acta 1475, 390-394, 2000	
		PENG, K.C., et al., Journal of Protein Chemistry 15, 547-552, 1996	
		PIERCE, J.G., et al., Annu. Rev. Biochem. 50, 465-495, 1981	
		SEGALOFF, D.L., et al., Endocr. Rev. 14, 324-347, 1993	
		SLAUGHTER, S., et al., Mol. Cell. Endocrinol. 112, 21-25, 1995	
		STRYNADKA, N.C., et al., Nature 368, 657-660, 1994	
↓		SUGANUMA, N., J. Biol. Chem. 264, 19302-19307, 1989	

Examiner Signature	Marianne Allen/	Date Considered	03/28/2007
--------------------	-----------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.
This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:
Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Complete if Known	
		Application Number	10/797,553
		Filing Date	November 8, 2002
		First Named Inventor	William R. MOYLE
		Art Unit	
Examiner Name			
Sheet	5	of	5
		Attorney Docket Number	1092/US PCT

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T ²
/MA/		THOMAS, D., et al., Mol. Endocrinol. 10, 760-768, 1996		
		WANG, Y.H., et al., Mol. Cell. Endocrinol. 170, 67-77, 2000		
		WELLS, J.A., Proc. Natl. Acad. Sci. (USA) 93, 1-6, 1996		
		WU, H., et al., Structure 2, 545-558, 1994		
		XIA, H., et al., Endocrinol. 134, 1768-1770, 1994		
		XING, Y., et al., Journal of Biological Chemistry 50, 46953-46960, 2001		
		YEN, S.S.C., et al., J. Clin. Endocrinol. Metab. 28, 1763-1767, 1968		
		YOO, J., et al., J. Biol. Chem. 266, 17741-17743, 1991		
↓		Zlokarnik, G., et al., Science 279, 84-88, 1998		

Examiner Signature	/Marianne Allen/	Date Considered	03/28/2007
--------------------	------------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.